

## Ski carrying device

Previously known ski carrying devices are all firmly fastened to the ski, consist of a firm plate and must be carried by hand.

The new ski carrying device should be flexible and unfastened; in addition, the weight should be applicably distributed over the upper part of the body. Any harm and danger of accident should be excluded by the separation of the ski and device when skiing.

The ski carrying device, for reasons of flexibility, consists of textile materials. Thus, it is light and economical. It consists of three main parts: shoulder strap, connecting strap and quiver. Thus, the skis can be placed into the carrying device, fixed unfastened and transported. In this way, any harm due to operation or danger of accidents is unlikely.

The ski carrying device is suitable for carrying one or a pair of cross country skis or downhill skis through favorable load distribution particularly with long distances.

Figure 3 is shown on the right in front, rear and left side view.

## Specification

The invention refers to a carrying device for carrying one or a pair of skis, consisting of a quiver, an adjustable shoulder strap, a connecting strap and a Velcro® fastener for stabilizing the upper ends of the skis.

Ski carrying devices are generally known from EP-A 0 043 784. A ski carrying device consisting of two components is described, wherein a part in the form of a plate is attached at the top side of the ski. The carrying handle is stored rotating at the side of the individual ski, wherein the swivel joint is, likewise, firmly attached to the top of the ski. In order to transport the skis, both skis must be stored tread to tread with the handle pieces folded out, so that the handle pieces touch each other on the surface.

An essential disadvantage of the inventions described above or similar inventions is that all ski carrying devices consist of a metal or plastic plate firmly fastened to the ski. Thus, negative effects can occur when skiing. So, for example, the handling characteristics can be impaired due to ice or snow adhering to the device. Further essential disadvantages are thus that by forces encountered when skiing downhill, or by falling accidents, parts can become damaged (for example by bending), and they would no longer serve their function.

In addition, all of these inventions must be screwed onto the ski. However, this leads to the fact that the skis may become damaged due to holes and screws.

Furthermore, it is still disadvantageous to see that with all these disc-shaped ski carrying devices, skis must either be carried by hand or placed

over the shoulder. The weight of the skis is thus concentrated at one point, either on the hand or the shoulder and can thus have negative effects when carrying the skis, particularly for long distances. Therefore, it is very strenuous and tiring for the hand and wrist, even straining the shoulder.

The object of the invention is to remedy all of these disadvantages mentioned above and to create a ski carrying device based on a completely novel basic principle that dispenses with the firmly fastened plate principle.

The solution is novel and ingeniously simple in application, function and production.

The essential advantage of the invention lies in the fact that it hereby concerns a simple ski carrying device, which essentially consists of three components, a quiver for the ends of the ski, a shoulder strap and a connecting strap.

An important advantage is that the invention, right down to a plastic or metal connecting ring (standard component) between the shoulder strap and connecting strap is completely constructed out of textiles and thus is economical, flexible and able to be rolled up.

A further advantage is that this ski carrying device can neither rust nor corrode.

A further essential advantage consists of the fact that the ski carrying device does not have to be attached to the ski, and thus, the ski does not become damaged by drilling or screwing.

A further advantage of not fastening the ski carrying device to the ski is that none of the problems described above (ice, adhering snow, falling) can occur.

Furthermore, a very important advantage of the invention is that the skis are comfortably carried by a shoulder strap draped over the shoulder and that the weight distribution is thus distributed over the entire body. In this way, the hand or shoulder is relieved, and the skis can easily be transported over long distances.

Furthermore, a further advantage consists of the fact that the ski carrying device can be adjusted by means of a shoulder strap and thus can be adapted to different body sizes.

A further advantage is the mobility and flexibility of the invention. Since the ski carrying device does not consist of a plate and is not screwed onto the skis, it is so conceived that, after use, it can be turned into a bag for transporting skis. It can thus be strapped around the hips when skiing downhill and, in addition, can serve as a storage space for implements in a practical manner.

The newly-invented ski carrying device, in principle, can be used to carry all conventional downhill and cross country skis.

Further advantageous embodiments arise from the following description, drawings, as well as claims.

They are shown:

**Fig. 1** is a drawing of the ski carrying device of a person carrying a pair of skis.

**Fig. 2** is a drawing of the ski carrying device consolidated (folded up) in use as a belt bag on a person.

**Fig. 3** is a drawing of the ski carrying device in front and rear view, as well as left side view. In the left side view, a pair of skis is being made ready for transport.

The novel ski carrying device, illustrated in **Figures 1-3**, essentially

consists of three elements, a quiver **4**, an adjustable shoulder strap **1** and a connecting strap **3**.

The adjustable shoulder strap **1** is pulled through the connecting loop **6** and fastened together at the shoulder strap buckle **7**. The connecting strap **3** is now connected to the shoulder strap **1** by the connecting loop **6**. At the other end, the connecting strap **3** is firmly attached to the quiver **4** firmly stitched. This is how the ski carrying device is essentially assembled.

For carrying the skis **8**, the ends of the skis, consolidated on the treads, are placed into the quiver **4** (side view to the left of **Fig. 3**). On the front part, the skis **8**, between the tops of the skis and the binding, are fixed to the connection belt **3** by a Velcro® fastener **2** below the connecting loop **6** or shoulder strap **1** -- depending upon the length of the ski.

In addition, the ski carrying device can be comfortably adjusted at the adjustable shoulder strap **1** according to the length of the ski and the user's body size.

For transporting the skis **8**, the skis **8** are now placed together with the carrying device over a shoulder by means of a shoulder strap **1** (**Fig. 1**). Now the skis **8** can be carried comfortably, even over long distances, without exertion, somewhat like a shoulder bag.

After carrying the skis **8** and removing them, the ski carrying device can be converted and fastened around the body in a practical way. (**Fig. 2**)

The shoulder strap **1** is opened at the shoulder strap buckle **7** and removed from the connecting loop **6**. Now the connecting strap **3**, including the connecting loop **6**, are rolled up and packed in the quiver **4**. Then, the shoulder strap **1** is pulled through the

quiver loops 5 (2) firmly fastened on the back of the quiver 4 and fastened with the shoulder strap buckle 7 around the user's body. The shoulder strap 1 can thus be adjusted to the user's body size.

In the quiver 4, there is ample room to put necessary skiing implements, such as sun cream or lip balm. Now the folding clasp 9 of the quiver 4 is locked by means of two Velcro® strips 10 (on the quiver 4 and folding clasp 9). The ski carrying device is not only kept safe but also, in addition, serves as a carrying bag fastened around the body. It is separated from the skis 8 and, thus, no negative events can occur with either downhill or cross country skiing.

Also, it is to be further noted that at least two ski poles can be carried in the ski carrying device with no problem. These are placed with the handles down in the quiver 4 and briefly fixed onto the skis 8 right under the tips by means of an additional Velcro® fastener or a connecting strap 3.

#### Reference symbol list

- 1 Shoulder strap
- 2 Velcro® fastener
- 3 Connecting strap
- 4 Quiver
- 5 Quiver loops (2)
- 6 Connecting loop
- 7 Shoulder strap buckle
- 8 Skis
- 9 Folding clasp
- 10 Velcro® strips (2)

consisting of the elements: shoulder strap 1 with shoulder strap buckle 7, connecting strap 3 with connecting loop 6 and quiver 4 with folding clasp 9 and Velcro® strips 10, **characterized in that** the ends of the skis are to be put in a rustproof quiver 4 composed of textiles and fastened to the connecting strap 3 by means of a Velcro® strip 2.

2. Ski carrying device according to Claim 1, characterized in that the carrying device is not fastened to the skis 8. Thus, no holes or other damages occur to the skis. Furthermore, no negative events occur when skiing by the separation of the carrying device.

3. Ski carrying device according to Claim 1, characterized in that the skis 8 are carried hung over the shoulder by means of a shoulder strap 1 and the carrying device can be adjusted to the individual size of the user by an adjustable shoulder strap 1.

4. Ski carrying device according to Claim 3, characterized in that the weight of the skis 8 is distributed over the entire body, and the skis 8 can thus also be carried effortlessly over long distances.

5. Ski carrying device according to Claim 2, characterized in that the carrying device can be rolled up after transporting the skis 8 and used as a transportation bag.

6. Ski carrying device according to one of the above claims, characterized in that the carrying device consists of textiles, and, thus, is flexible, light, rustproof or corrosion proof and economical.

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3 Pages of Drawings Follow

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#### Patent claims

1. Ski carrying device (Fig. 3) for carrying one or a pair of skis 8,